

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A dishwasher safe digital thermometer comprising:

a housing having first and second portions, the first portion defining a cavity;
a waterproof seal disposed between the first and second portions of the housing;
temperature conversion logic disposed within the cavity of said housing, said temperature conversion logic being encapsulated by a material having a low thermal conductivity;

an insulating member disposed in the cavity of said housing.

Claim 2 (original): The digital thermometer of claim 1 wherein the waterproof seal includes an ultrasonic weld.

Claim 3 (original): The digital thermometer of claim 1 wherein the waterproof seal includes a temperature resistant glue.

Claim 4 (original): The digital thermometer of claim 1 wherein the waterproof seal includes a gasket and a screw interconnecting the first and second portions of the housing.

Claim 5 (original): The digital thermometer of claim 1 wherein the temperature conversion logic is encapsulated by epoxy.

Claim 6 (currently amended): The digital thermometer of claim 1 wherein 1 wherein the insulating member comprises foam.

Claim 7 (original): The digital thermometer of claim 1 wherein the insulating member comprises polystyrene.

Claim 8 (currently amended): A method of making a dishwasher safe digital thermometer comprising:

encapsulating ~~a microprocessor~~ temperature conversion logic in a material having a low thermal conductivity;

inserting the ~~microprocessor~~ temperature conversion logic in a cavity of a first portion of a thermometer housing;

applying a sufficient amount of insulation to the cavity to fill the cavity;

sealing a second portion of the thermometer housing to the first portion of the thermometer housing; and

connecting a probe to the thermometer housing.